

Converting Colors

CIELCh(80, 61.956, 309.336)

Have a look what the booklet for
CIELCh(80, 61.956, 309.336)
contains.

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Color

CIELCh(79, 45.471, 314.932)

Conversions

Conversions Part 1

Format	Color
Hex	E3B1FF
RGB	227, 177, 255
RGB Percent	89%, 69%, 100%
CMY	0.1105, 0.3068, 0.0000
CMYK	0.11, 0.31, 0.00, 0.00
HSL	278°, 100%, 85%
HSV	278°, 31%, 100%
XYZ	65.4799, 54.9284, 102.4549
YIQ	200.8420, 4.7620, 34.8580

Conversions

Conversions Part 2

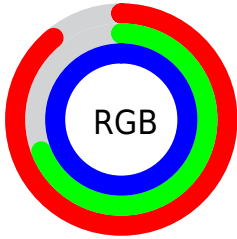
Format	Color
R_{YB}	227, 177, 255
Decimal	14922239
CIE _{Lab}	79.00, 32.11, -32.19
CIE _{LCh}	79, 45.471, 314.932
Yxy	54.9284, 0.2938, 0.2465
Android (android.graphics.Color)	4293112319 (0xFFE3B1FF)
YUV	200.8420, 26.6999, 22.9406
Hunter-Lab	74.1137, 28.0069, -30.0830

Details

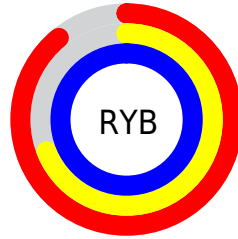
The CIELCh color $79, 45.471, 314.932$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $95, 43.779, 132.359$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $95, 13.736, 324.896$, and $59, 44.835, 315.266$ is the 20% darker color. If you saturate the color by 10%, you get $72, 60.035, 315.580$, and if you desaturate by 10%, it is $86, 30.122, 314.680$.

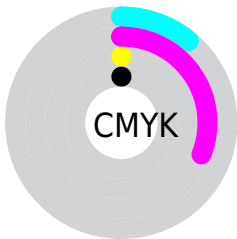
Distribution



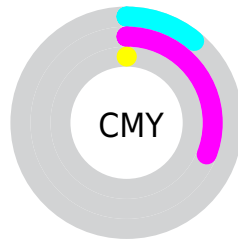
- Red (89%)
- Green (69%)
- Blue (100%)



- Red (89%)
- Yellow (69%)
- Blue (100%)



- Cyan (11%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (31%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 45.471, 314.932 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 79, 45.471, 314.932 by changing the saturation by 10% instead.


 79, 45.471,
314.932


 79, 45.471,
314.932


 100, 45.471,
314.932


 69, 45.471,
314.932


 99, 45.471,
314.932

 59, 45.471,
314.932

 49, 45.471,
314.932

 39, 45.471,
314.932

 29, 45.471,
314.932

 19, 45.471,
314.932

 9, 45.471, 314.932

■ 0, 45.471, 314.932

■ 79, 45.471,
314.932

■ 79, 45.471,
314.932

■ 72, 60.035,
315.580

■ 86, 30.122,
314.680

■ 66, 74.687,
315.980

■ 93, 15.385,
314.230

■ 60, 88.533,
316.290

■ 100, 0.971,
313.621

■ 55, 100.877,
316.445

■ 100, 0.012,
296.813

■ 51, 110.877,
316.368

■ 48, 117.750,
315.977

■ 46,121.330,
315.324

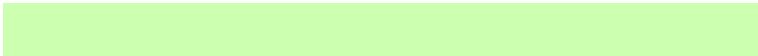
Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



79, 45.471, 314.932



95, 43.779, 132.359

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 45.471, 314.932



79, 45.471, 4.932



79, 45.471, 134.932



79, 45.471, 184.932

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



79, 45.072, 315.136



94, 12.945, 314.156



82, 27.427, 273.276



49, 9.010, 314.221



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79, 45.072, 315.136



75, 54.551, 315.420



81, 44.726, 330.166



49, 8.182, 314.178



34, 97.600, 315.506



8, 44.480, 316.789

Inverse Universe

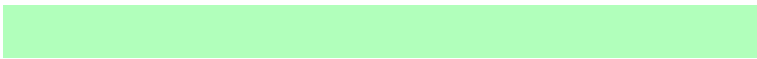
The Inverse Universe completely reimagines the original color for something new.



80, 32.535, 355.255



76, 39.421, 356.168



94, 44.651, 146.013



50, 5.851, 352.758



40, 68.997, 15.640



10, 31.294, 8.157

Previews

White Background



This preview shows how the CIELCh color 79, 45.471, 314.932 looks on a white background.

Color Contrast Check

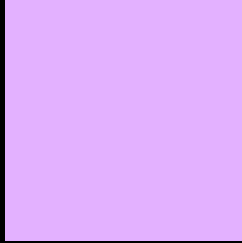
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 79, 45.471, 314.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

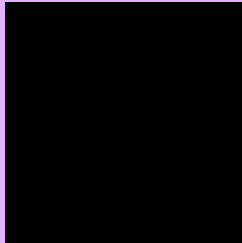
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 45.471, 314.932

Background



This preview shows how black text looks on a background with the CIELCh color 79, 45.471, 314.932.

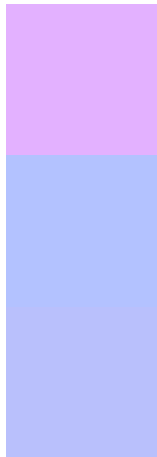


This preview shows how white text looks on a background with the CIELCh color 79, 45.471, 314.932.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

79, 44.953, 315.175

Protanopia

79, 32.759, 284.817

Deuteranopia

79, 32.090, 289.037



Tritanopia
79, 14.292, 346.632

Trichromacy



Original Color
79, 44.953, 315.175



Protanomaly
79, 36.014, 297.389



Deuteranomaly
79, 36.274, 300.469

Tritanomaly
79, 24.663, 326.095

Monochromacy



Original Color
79, 44.953, 315.175



Achromatopsia
81, 0.010, 296.813



Achromatomaly
80, 16.809, 313.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 45.471, 314.932 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(227, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 177, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(227, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 177, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 45.471, 314.932 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 177, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(227, 177, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(227, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 177,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 45.471, 314.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 177, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(227,  
177, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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